

## EAST Search History

| Ref # | Hits   | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|---|------------------|---------|------------------|
| L1    | 4      | CMOS with DMOS with photodiode                                | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/01/04 12:41 |
| L2    | 5      | DMOS same CMOS same photodiode                                | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/01/04 12:45 |
| L3    | 115878 | DMOS same CMOS same2 photodiode                               | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/01/04 12:45 |
| L4    | 5      | DMOS same CMOS same photodiode                                | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/01/04 12:45 |
| L5    | 23     | DMOS same CMOS and photodiode                                 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/01/04 12:45 |
| L6    | 4      | DMOS same CMOS same implant\$4 and photodiode with implant\$4 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/01/04 12:46 |

## EAST Search History

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|-----|------|--|--|----|----|---------------------|
| L7  | 4    | DMOS same CMOS and photodiode with implant\$4                              | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>12:46 |
| L8  | 16   | DMOS same CMOS and photodiode and implant\$4                               | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>13:31 |
| L9  | 8    | "6331873"  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>13:41 |
| L10 | 2078 | Double adj diffused with ((metal adj oxide) or "MOS" or "DMOS" or "DDMOS") | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:25 |
| L11 | 568  | 10 and CMOS  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>13:42 |
| L12 | 10   | 11 and photodiode  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:27 |

## EAST Search History

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|-----|------|----------------|--|----|----|---------------------|
| L13 | 9    | 12 and silicon | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:19 |
| L14 | 1230 | 257/292.ccls.  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:19 |
| L15 | 1021 | 257/336.ccls.  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:19 |
| L16 | 294  | 257/337.ccls.  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:20 |
| L17 | 677  | 257/499.ccls.  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:20 |
| L18 | 477  | 257/500.ccls.  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:20 |

## EAST Search History

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|-----|-----|--|--|----|----|---------------------|
| L19 | 683 | 257/365.ccls.  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:20 |
| L20 | 4   | 14 and Double adj diffused<br>with ((metal adj oxide) or<br>"MOS" or "DMOS" or<br>"DDMOS") | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:21 |
| L21 | 88  | 15 and Double adj diffused<br>with ((metal adj oxide) or<br>"MOS" or "DMOS" or<br>"DDMOS") | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:21 |
| L22 | 36  | 16 and Double adj diffused<br>with ((metal adj oxide) or<br>"MOS" or "DMOS" or<br>"DDMOS") | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:21 |
| L23 | 8   | 17 and Double adj diffused<br>with ((metal adj oxide) or<br>"MOS" or "DMOS" or<br>"DDMOS") | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:22 |
| L24 | 26  | 18 and Double adj diffused<br>with ((metal adj oxide) or<br>"MOS" or "DMOS" or<br>"DDMOS") | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:22 |

## EAST Search History

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|-----|----|---|--|----|----|---------------------|
| L25 | 19 | 19 and Double adj diffused with ((metal adj oxide) or "MOS" or "DMOS" or "DDMOS") | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:22 |
| L26 | 1  | 20 and complementary with ((metal adj oxide) or "CMOS")                           | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:22 |
| L27 | 11 | 21 and complementary with ((metal adj oxide) or "CMOS")                           | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:23 |
| L28 | 2  | 22 and complementary with ((metal adj oxide) or "CMOS")                           | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:23 |
| L29 | 2  | 23 and complementary with ((metal adj oxide) or "CMOS")                           | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:23 |
| L30 | 2  | 24 and complementary with ((metal adj oxide) or "CMOS")                           | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:23 |

## EAST Search History

|     |   |   |  |    |    |                     |
|-----|---|---|--|----|----|---------------------|
| L31 | 1 | 25 and complementary with<br>((metal adj oxide) or<br>"CMOS") | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:26 |
| L32 | 1 | 26 and photodiode   | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:23 |
| L33 | 1 | 27 and photodiode   | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:24 |
| L34 | 1 | 28 and photodiode   | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:24 |
| L35 | 1 | 29 and photodiode   | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:24 |
| L36 | 1 | 30 and photodiode   | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:24 |

## EAST Search History

|     |        |   |  |    |    |                     |
|-----|--------|---|--|----|----|---------------------|
| L37 | 1      | 31 and photodiode   | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:24 |
| L38 | 212    | 10 and complementary with<br>((metal adj oxide) or<br>"CMOS")   | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:24 |
| L39 | 911932 | ((Double adj diffused with<br>(metal adj oxide)) or "MOS"<br>or "DMOS" or "DDMOS")  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:31 |
| L40 | 54621  | 39 and ((complementary with<br>(metal adj oxide)) or<br>"CMOS")   | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:26 |
| L41 | 3318   | 40 and photodiode   | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:27 |
| L42 | 25874  | ((Double adj diffused with<br>(metal adj oxide)) or "MOS"<br>or "DMOS" or "DDMOS")<br>same ((complementary with<br>(metal adj oxide)) or<br>"CMOS") | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:27 |

## EAST Search History

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|-----|-----|---|--|----|----|---------------------|
| L43 | 740 | ((Double adj diffused with (metal adj oxide)) or "MOS" or "DMOS" or "DDMOS") same ((complementary with (metal adj oxide)) or "CMOS") same photodiode      | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:28 |
| L44 | 389 | ((Double adj diffused with (metal adj oxide)) or "MOS" or "DMOS" or "DDMOS") with ((complementary with (metal adj oxide)) or "CMOS") with photodiode      | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:30 |
| L45 | 4   | ((((Double adj diffused) with ((metal adj oxide) or "MOS")) or "DMOS" or "DDMOS") with ((complementary with (metal adj oxide)) or "CMOS") with photodiode | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>14:31 |
| S1  | 19  | CMOS and (field adj oxide or "FOX") and (high adj voltage with well) and photodiode   | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:01 |
| S2  | 12  | S1 and double adj diffus\$4   | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>06:51 |
| S3  | 4   | S2 and SOI  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2008/01/04<br>12:40 |



## EAST Search History

|    |    |   |  |    |    |                     |
|----|----|---|--|----|----|---------------------|
| S4 | 30 | ("3207510" "5242841" "5498554" "5519247" "5844264" "5933731" "6090652" "6130458" "6258701" "6444487" "6546798" "6580138" "6686233" "6713347").PN. | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:01 |
| S5 | 4  | S4 and photodiode   | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:03 |
| S6 | 0  | SOI and FO and (high adj voltage with well) and (low adj voltage with well) and source and drain and contact                                      | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:04 |
| S7 | 4  | SOI and FOX and (high adj voltage with well) and (low adj voltage with well) and source and drain and contact                                     | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:08 |
| S8 | 1  | SOI and FOX and (high adj voltage with region) and (low adj voltage with region) and source and drain and contact                                 | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:05 |
| S9 | 13 | SOI and FOX and (high adj voltage) and (low adj voltage) and source and drain and contact   | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:05 |

## EAST Search History

|     |     |   |  |    |    |                     |
|-----|-----|---|--|----|----|---------------------|
| S10 | 531 | (high adj voltage with well) and (low adj voltage with well) and source and drain and contact | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:11 |
| S11 | 210 | S10 and field adj oxide   | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:08 |
| S12 | 0   | S11 and silicon adj on adj insulator  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:08 |
| S13 | 162 | S11 and substrate with silicon  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:09 |
| S14 | 123 | S13 and MOS   | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:09 |
| S15 | 58  | S14 and MOSFET  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:09 |

## EAST Search History

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|-----|----|---|--|----|----|---------------------|
| S16 | 0  | S11 and photodiode and FET  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:09 |
| S17 | 0  | S11 and photodiode and MOS  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:09 |
| S18 | 0  | S11 and photodiode and MOSFET   | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:10 |
| S19 | 89 | S11 and MOSFET  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:10 |
| S20 | 28 | (high adj voltage adj well) and<br>(low adj voltage adj well) and<br>source and drain and contact | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:36 |
| S21 | 4  | S20 and photodiode  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:15 |

## EAST Search History

|     |       |  |  |    |    |                     |
|-----|-------|--|--|----|----|---------------------|
| S22 | 748   | 438/527.ccls.  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:15 |
| S23 | 12    | S22 and photodiode   | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:15 |
| S24 | 54542 | "20" and SOI   | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:35 |
| S25 | 8     | (high adj voltage adj well) and<br>(low adj voltage adj well) and<br>source and drain and contact<br>and SOI | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:40 |
| S26 | 8180  | CMOS and SOI   | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:41 |
| S27 | 487   | S26 and photodiode   | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2005/10/07<br>07:42 |

## EAST Search History

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|-----|-----|---|--|----|-----|---------------------|
| S28 | 7   | S27 and double adj diffus\$4  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON  | 2005/10/07<br>07:41 |
| S29 | 6   | ("6040593"   "6194258"  <br>"6306678"   "6323054"  <br>"6347054"   "6486521").PN.         | US-PGPU<br>B; USPAT;<br>USOCR  | OR | OFF | 2005/10/07<br>07:42 |
| S30 | 63  | S26 and photodiode and<br>substrate with single adj<br>crystal                            | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON  | 2005/10/07<br>07:49 |
| S31 | 16  | S30 and high adj voltage and<br>low adj voltage   | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON  | 2005/10/07<br>07:45 |
| S32 | 487 | photodiode and CMOS and<br>SOI  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON  | 2005/10/07<br>07:50 |
| S33 | 66  | photodiode and CMOS and<br>SOI and single adj crystal adj<br>silicon                      | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON  | 2005/10/07<br>07:50 |
| S34 | 41  | photodiode and CMOS and<br>SOI and single adj crystal adj<br>silicon and source and drain | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON  | 2005/10/07<br>07:56 |

## EAST Search History

|     |    |  |   |    |    |                     |
|-----|----|--|---|----|----|---------------------|
| S35 | 13 | photodiode and CMOS and SOI and single adj crystal adj silicon and source and drain and well same high adj voltage | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB          | OR | ON | 2005/10/07<br>07:50 |
| S36 | 43 | photodiode and CMOS and SOI and single adj crystal adj silicon and p adj type                                      | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB          | OR | ON | 2005/10/07<br>07:56 |
| S37 | 11 | "5477065"  | US-PGPU<br>B; USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2007/02/14<br>16:55 |
| S38 | 3  | "5477065" and double with diffus\$4 with MOS   | US-PGPU<br>B; USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2007/02/14<br>17:26 |
| S39 | 6  | DMOS same CMOS same ("PD" or photodiode)   | US-PGPU<br>B; USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2007/02/14<br>17:27 |
| S40 | 0  | DMOS same CMOS same ("PD" or photodiode) same implantation   | US-PGPU<br>B; USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2007/02/14<br>17:27 |

## EAST Search History

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|-----|----|--|---|----|----|---------------------|
| S41 | 4  | DMOS same CMOS same ("PD" or photodiode) same dop\$4 | US-PGPU<br>B; USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2007/02/15<br>12:45 |
| S42 | 21 | "5360748"  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB          | OR | ON | 2007/02/14<br>17:31 |
| S43 | 3  | "6861341"  | US-PGPU<br>B; USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2007/02/15<br>12:45 |
| S44 | 4  | CMOS with DMOS with photodiode                       | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB          | OR | ON | 2007/11/23<br>20:58 |
| S45 | 13 | "5477065"  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB          | OR | ON | 2007/11/23<br>21:14 |
| S46 | 25 | "6323534"  | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB          | OR | ON | 2007/11/23<br>21:22 |

## EAST Search History

|     |   |                        |  |    |    |                     |
|-----|---|------------------------|--|----|----|---------------------|
| S47 | 9 | S46 and (LOCOS or STI) | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2007/11/23<br>21:29 |
| S48 | 5 | "6358813"              | US-PGPU<br>B; USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2007/11/23<br>21:29 |